

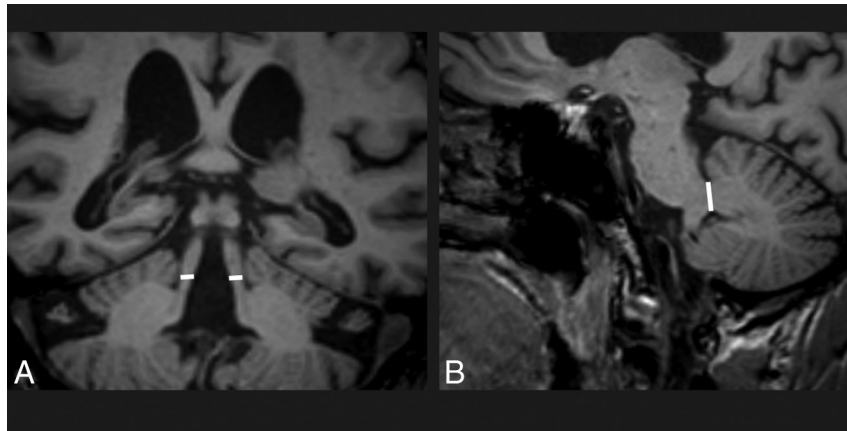
On-line Table: MRI planimetry and MRPI data^a

	Controls n = 15	PSP n = 24	CBD n = 9	MSA (Total) n = 19	MSA-C n = 10	MSA-P n = 9	PD n = 18	P Value
Surfaces (mm ²)								
Midbrain	143.7 (21.1)	92.2 (21.3)	119.7 (12.0)	141.3 (18.6)	141.5 (18.1)	141.1 (20.3)	148.3 (25.5)	<.001 ^b
Pons	546.5 (43.9)	495.9 (62.5)	509.9 (39.5)	448.7 (97.3)	379.8 (55.6)	525.2 (72.9)	578.4 (76.2)	<.001 ^b
CC	625.3 (114.8)	558.5 (102.0)	489.1 (90.8)	571.2 (53.0)	570.1 (32.6)	572.4 (71.5)	592.1 (81.2)	.006 ^b
CC _{P-A grad}	295.1 (70.3)	262.2 (70.2)	199.5 (58.6)	269.6 (36.5)	267.3 (37.0)	272.1 (38.3)	262.4 (42.7)	.03 ^b
Surface ratios and MRPI								
Pons/CC	0.87 (0.81–0.97)	0.90 (0.83–0.93)	0.97 (0.90–1.18)	0.78 (0.57–0.90)	0.64 (0.57–0.78)	0.90 (0.83–1.04)	0.94 (0.87–1.10)	.002 ^c
Midbrain/pons	0.25 (0.23–0.29)	0.18 (0.16–0.21)	0.24 (0.21–0.26)	0.32 (0.27–0.37)	0.35 (0.32–0.48)	0.27 (0.23–0.32)	0.26 (0.22–0.29)	<.001 ^c
Midbrain/CC	0.24 (0.05)	0.17 (0.05)	0.25 (0.05)	0.25 (0.05)	0.25 (0.04)	0.25 (0.06)	0.25 (0.05)	<.001 ^b
Midbrain/CC _{P-A grad}	0.52 (0.12)	0.38 (0.15)	0.64 (0.20)	0.54 (0.10)	0.55 (0.13)	0.52 (0.07)	0.58 (0.14)	<.001 ^b
MRPI	8.6 (1.7)	16.2 (3.3)	10.7 (2.6)	6.2 (2.4)	4.7 (1.7)	7.9 (2.1)	9.9 (1.8)	<.001 ^b

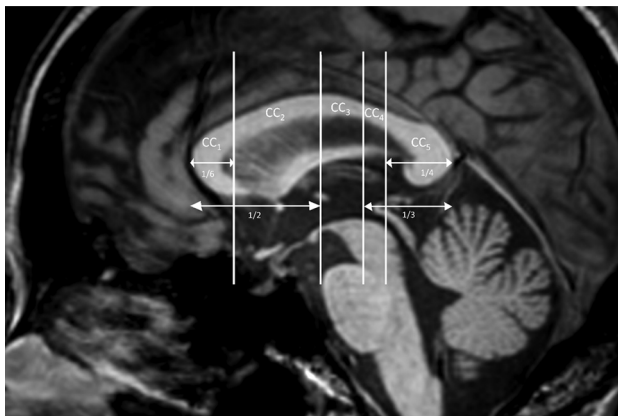
^a All data are presented as mean (SD) or median (25th–75th quartile).

^b ANCOVA.

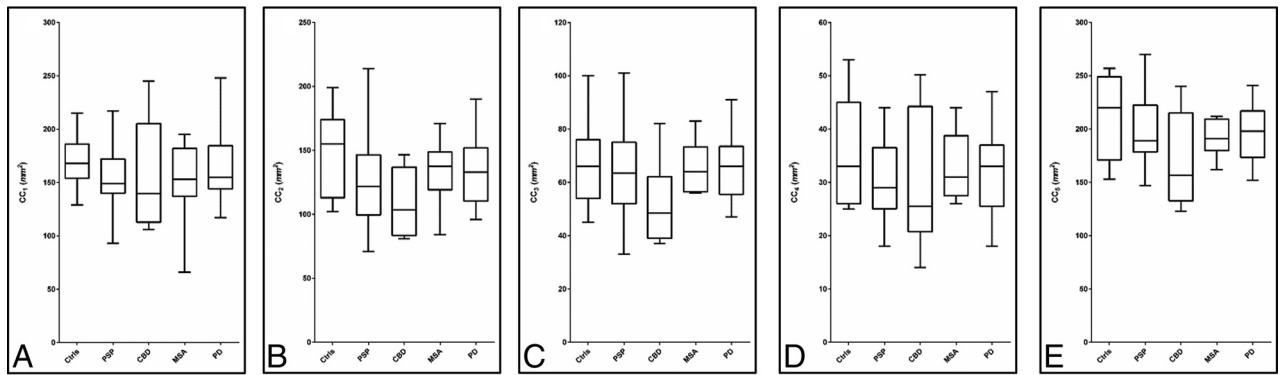
^c Kruskal-Wallis test.



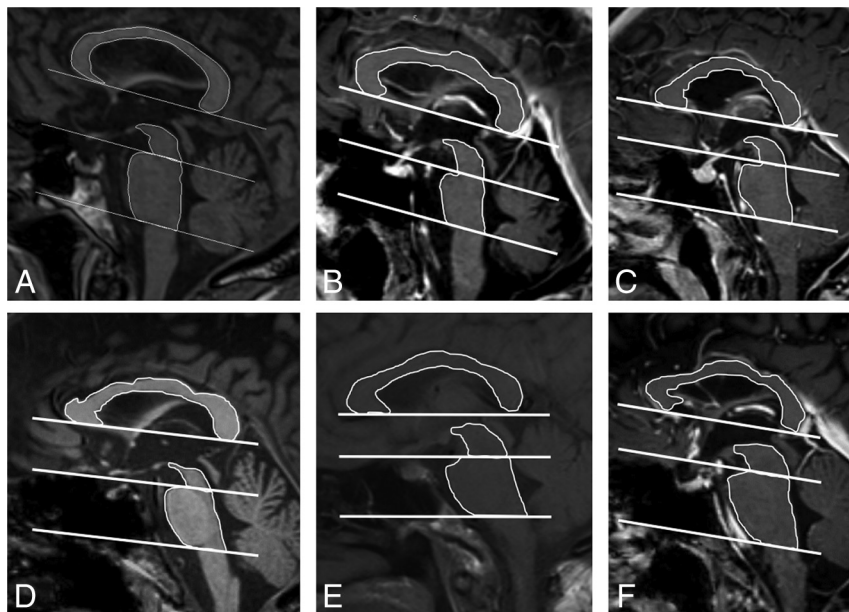
ON-LINE FIG 1. Superior cerebellar peduncle measurement in a coronal T1-weighted image (A). Middle cerebellar peduncle measurement in a parasagittal T1-weighted image (B).



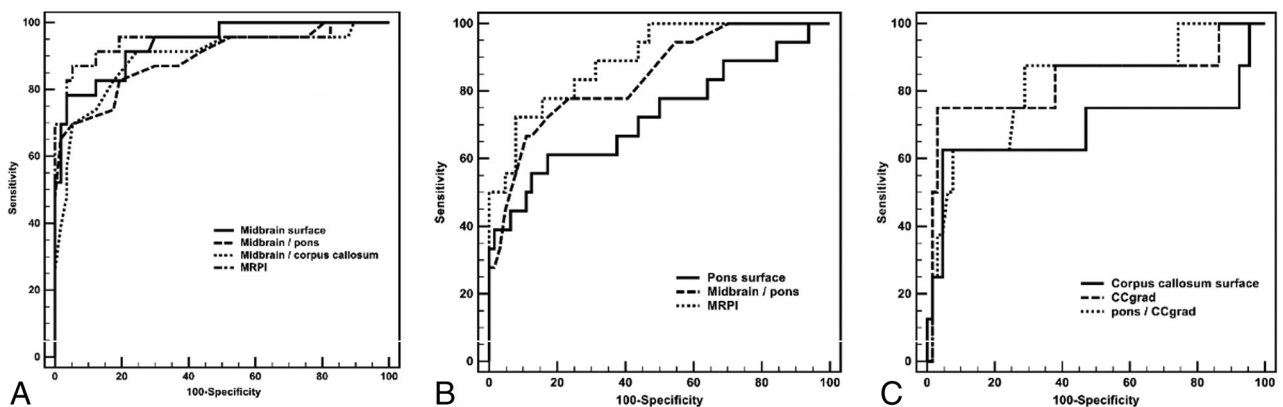
ON-LINE FIG 2. Corpus callosum subsections. CC₁ indicates the pre-frontal cortex; CC₂, the premotor and supplementary motor cortex; CC₃, the primary motor cortex; CC₄, the primary sensory cortex; and CC₅, the temporal, parietal, and occipital cortex.



ON-LINE FIG 3. Boxplot diagrams of corpus callosum subsection surfaces. A, CC₁ indicates the prefrontal cortex. B, CC₂, the premotor and supplementary motor cortex. C, CC₃, the primary motor cortex. D, CC₄, the primary sensory cortex. E, CC₅, the temporal, parietal, and occipital cortices. Ctrl indicates controls.



ON-LINE FIG 4. Representative midsagittal T1-weighted images with planimetry traces of patients with CBD (A), MSA-C (B), MSA-P (C), PSP (D), PD (E), and healthy controls (F).



ON-LINE FIG 5. Receiver operating characteristic curve diagrams of the most potent imaging markers for PSP (A), MSA (B), and CBD (C).